

IN THE CLAIMS

Please amend claims 1, 6, 7, 9, 10, 12, and 14 as follows:

Sub E1
D1
--1. (Twice Amended) A system for serving information data over one or more channels to one or more end user devices, comprising:
one or more storage medium units for storing information data;
managing means for managing distribution of the information data to any one of the end user devices, wherein the managing means receives demand data relating to information data selected through [a] at least one respective end user device, and wherein the managing means outputs distribution control data including channel information of the selected information data and routing information for said at least one end user device;

[wherein at least one storage medium unit includes a controller selecting the play mode of the selected information data stored in a respective storage medium unit in accordance with said distribution control data]

means for generating estimate data representing a relationship between the information data and an estimated number of said at least one end user device; and

routing means for connecting the one or more storage medium units to the at least one end user device, and for routing the selected information data from the storage medium units and the distribution control data from the managing means.

Sub K1
D2
6. (Twice Amended) An information server system according to claim 1, wherein the [management] managing means provides program data for the [operation] output of visual [display of] information [data] through display means and/or audio information through speaker means from the storage medium units on the at least one end user device.

7. (Twice Amended) An information server system according to claim 1,
wherein the managing means provides program data for information retrieval to the at least one
end user device.

9. (Twice Amended) An information server system according to claim 1,
further comprising:

at least one second storage medium unit for storing second information data and
connected with the routing means wherein the managing means comprises a table for storing data
representing information data allocation to the first and second storage medium units, and
wherein the managing means provides distribution control data for [either] the first [or the] and
second storage medium units [on the basis of] based on the demand data from [an] the at least
one end user device.

10. (Twice Amended) An information server system according to claim 3,
wherein said one or more storage medium units comprise[s]:

memory means for storing video and/or audio data;

table means for memorizing data representing a relationship between the routing
information and the video and/or audio data stored in the [storage] memory means;

program memory means for storing program data for controlling [of the
operation of] the one or more storage medium units; and

at least one interface for transmitting the video and/or audio data with the
routing information and a control signal in [the form of] one or more packets to the routing
means and for receiving the program data [for operation of the storage medium unit] in [the form
of] one or more packets from the routing means.

12. (Twice Amended) An information server system according to claim 10,
wherein said at least one interface receives control data representing a selected operation mode
for the at least one end user device and wherein the controller controls the memory means
according to the received control data so that the information data [are] is reproduced from the
memory means in the selected operation mode.

14. (Twice Amended) An information server system according to claim 3,
wherein said video and/or audio data is divided in a predetermined number of data groups,
wherein the predetermined number of data groups is recorded in a sequence different from [the]
an original sequence on a recording medium in said one or more storage medium units and
wherein said routing means delivers continuous video and/or audio data to the at least one end
user device by switching said data groups from said one or more storage medium units to said
one or more end user devices.--

Please cancel claim 18.

Claim 19, line 2, change "18" to --30--.

Claim 20, line 2, change "19" to --30--.

Claim 20, line 3, change "a" to --the--.

Please add the following new claims:

--26. An information server system according to claim 1, wherein said one or
more storage medium units store the information data according to said estimate data.

27. A system for serving information data over one or more channels to one or
more end user devices, comprising:

one or more storage medium units for storing information data;

managing means for managing distribution of the information data to any one of the end user devices, wherein the managing means receives demand data relating to information data selected through at least one respective end user device, and wherein the managing means outputs distribution control data including channel information of the selected information data and routing information for said at least one end user device;

means for detecting malfunctions of said one or more storage medium units and outputting malfunction data representing detected malfunctions; and

routing means for connecting the one or more storage medium units to the at least one end user device, and for routing the selected information data from the one or more storage medium units and the distribution control data from the managing means.

28. An information server system according to claim 27, wherein said one or more storage medium units store the information data according to said malfunction data.

29. An information server system according to claim 28, wherein said managing means manages distribution of the information data according to said malfunction data.

30. A system for serving information data over one or more channels to one or more end user devices, comprising:

one or more storage medium units for storing information data;

managing means for managing distribution of the information data to any one of the end user devices, wherein the managing means receives demand data relating to information data selected through at least one respective end user device, and wherein the managing means outputs distribution control data including channel information of the selected information data and routing information for said at least one end user device;

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wherein at least one storage medium unit includes a controller for selecting a play mode of the selected information data stored in a respective storage medium unit in accordance with said distribution control data by selecting scenes to form a mosaic of scenes; routing means for connecting the one or more storage medium units to the at least one end user device, and for routing the selected information data from the storage medium units and the distribution control data from the managing means.--

REMARKS

The Examiner's careful consideration of the application is sincerely appreciated. In light of the above amendatory matter and remarks to follow, reconsideration and allowance of this application are requested.

This Amendment is responsive to the Final Office Action dated October 25, 1999 and the Advisory Action of January 13, 2000. Claims 1-25 were pending in the application. In the Office Action, claims 1-16, 18, 19, and 21-25 were rejected. Applicants acknowledge with appreciation the determination that claims 17 and 20 contain allowable subject matter. In this Amendment, claims 1, 6, 7, 9, 10, 12, 14, and 20 have been amended and claims 26-30 have been added to clarify the patentable subject matter in a good faith effort to advance this case to its allowance. Claim 18 is cancelled. Applicants submit that claims 1-17 and 19-30 are in condition for allowance and request reconsideration and withdrawal of the rejections in light of the following remarks.

Claims 1-16, 18, 19, and 21-25 were rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Voeten in view of Hamaguchi and Awaji, which were cited as support for Official Notice in the Advisory Action.